

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/014146

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. *G01N21/35* (2006. 01), *G01N22/00* (2006. 01), *G01N13/14* (2006. 01), *G12B21/06* (2006. 01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. *G01N21/25-21/39* (2006. 01), *G0W22/00-22/04* (2006. 01), *G01N13/10-24* (2006. 01),
G12B21/00-21/24 (2006. 01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2005
Registered utility model specifications of Japan 1996-2005
Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JOIS (JICST File)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-509692 A (SIGNATURE BIOSCIENCE, INC.) 2003.03.11, Full text & WO 2001/020329 A2 & US 2002/0137032 A1 & EP 1206696 A	1-14
A	JP 2002-502028 A (SIGNATURE BIOSCIENCE, INC.) 2002.01.22, Full text & WO 1999/039190 A1 & US 2001/0034030 A1 & EP 991938 A	1-14
A	JP 5-188013 A (MILES INCORPORATED) 1993.07.27, Full text & EP 519250 A2	1-14
A	JP 2004-500546 A (Teraview Limited) 2004.01.08, Full text & WO 2000/075641 A1 & EP 1190234 A & US 6828558 B	1-14

☒ Further documents are listed in the continuation of Box C. \rightarrow See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14.11.2005

Date of mailing of the international search report

29.11.2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	O. Mitrofanov, et al., Terahertz near-field microscopy based on a collection mode detector, Appl. Phys. Lett. Vol. 77, No. 22, 2000, p. 3496-3498	1-14
A	Hou-Tong Chen, et al., Terahertz imaging with nanometer resolution, Appl. Phys. Lett. Vol. 83, No. 15, 2003, p. 3009-3011	1-14
A	U. Schade, et al., THz near-field imaging employing synchrotron radiation, Appl. Phys. Lett. Vol. 84, No. 8, 2004.02.23, p. 1422-1424	1-14
A	O. Mitrofanov, et al., Study of single-cycle pulse propagation inside a terahertz near-field probe, Appl. Phys. Lett. Vol. 78, No. 2, 2001, p. 252-254	1-14
A	Tatsuo NOZOKIDO, et al., Scanning Near-Field Millimeter-Wave Microscope, Laser Kenkyu, VOL. 26, NO. 7, 1998, p. 546-550	1-14
A	Torsten Pfeifer, et al., Electro-Optic Near-Field Mapping of Planar Resonators, IEEE TRANSACTION ON ANTENNAS AND PROPAGATION, VOL. 46, NO. 2, 1998, p. 284-291	1-14
A	S. Hunsche, et al., Near-field time-resolved imaging with far-infrared dipole sources, Conference on Lasers and Electro-Optics '98 TECHNICAL DIGEST, 1998, p. 64-65	1-14
A	Masahiko Tani, et al., Application of THz radiation to imaging - Research and development in Japan, US and Europe, 2002 Nen Densi Jyoho Tsushin Gakkai Sogo Taikai Koen Ronbunshu Electronics 1, 2002, p. 491-492	1-14